Ecotox Report for Case # P-13-0930

General

[redacted]		**Report Status:**	Complete
Status Date:	10/21/2013	**CRSS Date:**	10/21/2013
SAT Date:	10/22/2013	**SAT Chair:**	J. Kwiat
Consolidated PMN:	N	**Consolidated Set:**	
Ecotox Related Cases:	SNUR codified 40 CFR 721.5740; [redacted]		
Health Related Cases:	[redacted]		
Submitter:	[redacted]		
CAS Number:	[redacted]		
Chemical Name:	[redacted]		
Use:	[redacted]		
Trade Name:	[redacted]		
PV-max(kg/yr):	[redacted]	**Ecotox Assessor:**	

Fate Summary Statement

Fate Summary Statement: P-13-0930
FATE:
Solid with MP = [redacted] C (M)
log Kow = [redacted] (M)
S = [redacted] mg/L at 25 C (M)
VP < 1.0E-6 torr at 25 C (E)
BP = 398 C (E)
H < 1.00E-8 (E)
log Koc = 5.04 (E)
log Fish BCF = 2.42 (E)
log Fish BAF = 1.21 (E)
POTW removal (%) = 39 via sorption and possible partial biodeg; OECD 301B(Mod Sturm
CO2 ev): 0-3.7%/31d; OECD 301B(Mod Sturm CO2 ev): 0%/35d.
Time for complete ultimate aerobic biodeg = mo

Sorption to soils/sediments = v.strong
PBT Potential: P2B1
*CEB FATE: Migration to ground water = negl

Physical Chemical Information

Molecular Weight:	[redacted]		
Wt% < 500:		**Wt% < 1000:**	
Physical State - Neat:	[redacted]		
Melting Point:	[redacted]	**Melting Point (est):**	
MP (EPI):	[redacted]		
Vapor Pressure:		**Vapor Pressure (est):**	<0.000001
VP (EPI):	[redacted]		
Water Solubility:	[redacted]	**Water Solubility (est):**	
Water Solubility (EPI):			
Henry's Law::			
Log Koc:		**Log Koc (EPI):**	
Log Kow:	[redacted]	**Log Kow (EPI):**	5.24
Log Kow Comment:			

SAT Concern Level

Ecotox Rating (1):	3
Ecotox Rating Comment (1):	
Ecotox Rating (2):	
Ecotox Rating Comment (2):	
Ecotox Route of Exposure:	All releases to water

Ecotox Comments

Exposure Based Review (Eco):	Y
Ecotox Comments:	

Exposure Based Testing:	

PBT Ratings

Persistence	Bioaccumulation	Toxicity	Comments
2	1	2	

Eco-Toxicity Comment:

Fate Ratings

Removal in WWT/POTW (Overall):	39					
Condition	**Rating Values**	**Rating Description**				**Comment**
		1	**2**	**3**	**4**	
Fish BCF:						
Log Fish BCF:						
WWT/POTW Sorption:	1-2	Low	Moderate	Strong	V. Strong	
WWT/POTW Stripping:	4	Extensive	Moderate	Low	Negligible	
Biodegradation Removal:		Unknown	High	Moderate	Negligible	
Biodegradation Destruction:	3	Unknown	Complete	Partial	—	
Aerobic Biodeg Ult:	3	<= Days	Weeks	Months	> Months	
Aerobic Biodeg Prim:		<= Days	Weeks	Months	> Months	
Anaerobic Biodeg Ult:	3-4	<= Days	Weeks	Months	> Months	
Anaerobic Biodeg Prim:		<= Days	Weeks	Months	> Months	
Hydrolysis (t1/2 at pH 7,25C) A:		<= Minutes	Hours	Days	>= Months	
Hydrolysis (t1/2 at pH 7,25C) B:		<= Minutes	Hours	Days	>= Months	
Sorption to Soils/Sediments:	1	V. Strong	Strong	Moderate	Low	
Migration to Ground Water:	1	Negligible	Slow	Moderate	Rapid	

Removal in WWT/POTW (Overall):	39					
Condition	**Rating Values**	**Rating Description**				**Comment**
		1	**2**	**3**	**4**	
Photolysis A, Direct:		Negligible	Slow	Moderate	Rapid	
Photolysis B, Indirect:		Negligible	Slow	Moderate	Rapid	
Atmospheric Ox A, OH:		Negligible	Slow	Moderate	Rapid	
Atmospheric Ox B, O3:		Negligible	Slow	Moderate	Rapid	
Bio Comments:						
Fate Comments:						

Ecotoxicity Values

Test organism	Test Type	Test Endpoint	Predicted	Experimental	Comments
Fish	96-h	LC50	0.16		
Daphnid	48-h	LC50	0.35		
Green Algae	96-h	EC50	0.43		
Fish	-	Chronic Value	0.054	0.16	
Daphnid	-	Chronic Value	0.11	0.061	
Green Algae	-	Chronic Value	0.093		

Ecotox Value Comments: Predictions are based on SARs for polyphenols; SAR chemical class = polyphenol; MW [redacted] solid with mp unknown (P); log Kow = 5.34 (EPI), [redacted] (M); S = [redacted] mg/L at 20 C (P); pH7; effective concentrations based on 100% active ingredients and mean measured concentrations; hardness <150.0 mg/L as CaCO3; and TOC <2.0 mg/L;

This material is a potential endocrine disruptor to aquatic and terrestrial wildlife.

Ecotox Factors

Factors	Most Sensitive Endpoint	Assessment Factor	CoC	Comment
Acute Aquatic(ppb):		10		
Chronic Aquatic(ppb):			5	

Factors	Values	Comments
SARs:	polyphenols	
SAR Class:	polyphenol	
TSCA NCC Category?	None	

Recommended Testing:	
Ecotox Factors Comments:	

Comments/Telephone Log

Artifact	Update/Upload Time